N00639.AR.002131
NSA MID SOUTH
5090.3a

EMAIL REGARDING TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION APPROVAL OF PLAN FOR ADDITIONAL SAMPLING AT UNEXPLODED ORDNANCE 1 AND 2 MILLINGTON SUPPACT TN
2/10/2014
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

-----Original Message-----
From: Roger Donovan [mailto:Roger.Donovan@tn.gov]
Sent: Monday, February 10, 2014 1:01 PM
To: Nielsen, Janice L CIV NAVFAC LANT, EV; Charles Burroughs
Cc: Methvin, Rachel M CIV NAVFAC MW, PWD Mid-South; Hickey, Howard M CIV NAVFAC MW EV; Heide, Jim CIV NAVFAC MW, PWD Mid-South; Robinson, Ursula CIV NAVFAC MW, PWD Mid-South; Zanot, Deborah A CIV NAVFAC MW, PWD Mid South; Nixon, Monique L CIV NAVFAC Atlantic, EV
Subject: RE: sampling at UXO 1 and 2 Millington

Jan,

This looks good to me. No use in holding you up from getting out in the field. Go ahead and implement your plan. Let me know the start date for the field work in case I am in the area and want to stop by.

Thanks,

Roger Donovan, Environmental Specialist
Corrective Action Section
Division of Solid Waste Management
Department of Environment and Conservation
(615) 532-0864
Roger.Donovan@tn.gov

-----Original Message-----
From: Nielsen, Janice L CIV NAVFAC LANT, EV [mailto:janice.nielsen@navy.mil]
Sent: Monday, February 10, 2014 11:03 AM
To: Roger Donovan; Charles Burroughs
Cc: Methvin, Rachel M CIV NAVFAC MW, PWD Mid-South; Hickey, Howard M CIV NAVFAC MW EV; Heide, Jim CIV NAVFAC MW, PWD Mid-South; Robinson, Ursula CIV NAVFAC MW, PWD Mid-South; Zanot, Deborah A CIV NAVFAC MW, PWD Mid South; Nixon, Monique L CIV NAVFAC Atlantic, EV
Subject: sampling at UXO 1 and 2 Millington
Importance: High

Roger and Charles:

I wanted to send you a quick update on our plans for the additional sampling in the elevated lead areas of UXO1 and 2 at the NSA Mid-South, Millington, TN. If you would like me to schedule a conference call to discuss please let me know and I will be happy to set one up ASAP.

We prepared an addendum to the original SAP that added the additional sample locations and modifications by sieving the samples to remove any lead shot. We did not change our lab or DQOs so this is considered a minor change to the SAP. I propose not sending this for a formal review to your organization but wanted to ensure the highlights were sent to you for your input. If you would rather have a formal review please let me know and we will forward the document to you for review and signature. We hoped to be in the field within the next week or so to keep this moving if you approve of our plan.

As we discussed and indicated in our RFI document, we had two areas that had higher lead concentrations in the upper soils orders of magnitude over the others taken at the site. We are planning on taking samples to determine if the areas are truly elevated or if the samples may have had some lead shot that biased the results as high since the areas did not appear to be in locations the elevated results were supported by what we know about the previous site use.

The highlights of the SAP Addendum are below.

We propose eight supplemental surface-soil samples for collection in the two high-concentration lead areas. One sample will be co-located from each original location in an effort to confirm the original detection and three step-out samples will be collected from around each location, using 10-foot step outs, to evaluate the horizontal impacts to aid in any corrective measures, as warranted. See attached figure.

The lab will be directed in advance of sampling, and the field crews will note on the chain of custody, that the samples are to be filtered in the laboratory using a 2-millimeter sieve prior to analysis.

Upon receipt and validation of the proposed data, it will be compared to the original lead detections to determine if it is representative of actual lead levels in soil. If the two data sets are comparable, the original detections will be assumed un-related to metallic lead having being entrained in the samples and the step-out sample data will be used to determine the lateral extent of the high concentration lead area. If lead levels in the co-located sample are comparable to the range of lead concentrations found in surface-soil at UXO 2 (mean of 1,385 mg/kg), the original detections will be assumed biased high due to metallic lead in the original sample. Step-out sample data will also be compared to the average lead concentrations found in the RFI to determine whether additional step-outs are needed or the high concentration area is adequately defined. Upon resolution that the two areas in question have been adequately defined, an addendum (technical memorandum) to the UXOs 1 and 2 RFI will be submitted to the Base Cleanup Team for review with recommendations, as warranted.

Please let me know if you are ok with our proposed action or if there needs to be a telecom or formal review of the SAP. I am happy to provide whatever is needed. Thanks for the support and look forward to seeing you in March.

Jan Nielsen
EV33 Restoration Engineering
NAVFAC LANT
757.322.8339
757.617.0987 (Mobile)